



Vol. 37. No. 37

CAMBRIDGE, MASS., FRIDAY, AUGUST 17, 1917

Price Three Cents

TO SEND GRADUATE OFFICERS TO FRANCE

Large Numbers of Reservists
Just Commissioned at Training
Camps Will Get Intensive
Training Under Pershing.

SOME WILL RETURN INSTRUCTORS

WASHINGTON, Aug. 16—From the 27,000 officers taken from the training camps just closed, a considerable number are being selected to begin immediately intensive training in France under direction of Maj.-Gen. Pershing.

The plan provides for establishing an officers' school in the American army area where they can have intensive training similar to that now being given to the regular army contingent already on the ground.

Some to Join Regulars

In addition some of the young officers may be sent to French and British officers' schools as both governments have expressed their willingness to undertake post-graduate work of that nature in order to aid in the task of expanding the American army.

Some of the young officers will also be detached to the regular regiments now in France. When they have received sufficient training they may replace officers now in charge of the American units and whose experience would be of value in the training of the new armies at home. It is possible, also, that many of the new officers will be sent home as instructors as soon as they have completed a training course in France.

A review of the work of the first series of training camps, which closed officially yesterday, was issued today by Adjt.-Gen. McCain, showing all the new officers already have been assigned to duty and are to report for active service not later than Aug. 29.

Division of the Grades

There are included in the list two colonels, appointed in 1916 to the officers' reserve corps and who were confirmed in that rank after attendance at the training camps; one lieutenant-colonel, 235 majors, 3722 captains, 4452 first lieutenants, and 18,929 second lieutenants. Most of the officers go to the infantry service, 13,109 being commissioned in that arm. Of the remainder 1482 go to the cavalry, 4055 to the field artillery, 838 to the coast artillery, 1966 to the engineers, 3067 to the quartermasters corps, and 152 to the new statistical division of the adjutant-general's office.

NEEDS KNIT GOODS ABROAD

Lansing Cables That Nights Are
Getting Cold in Paris.

The following cablegram has been received by Mrs. Cunningham, chairman of the executive committee of the Friends of Technology asking for warm knit sweaters, wristlets and other military apparel. The dispatch follows:

Paris, August 15, 1917.

During the past two weeks nights have been growing colder in Paris and men returning from the front are asking for warmer clothes against the winter weather which will come soon. Urge the sending of knit sweaters and other military apparel to the Technology center here by all Technology women in America. Articles of clothing to reach here should be sent to the Rogers Building, Mass. Institute of Technology, Boylston Street, Boston, and should be of regulation Red Cross pattern.

LANSINGH.

Word was also received from C. W. Loomis, '16, that the railway engineer unit had arrived safely in France. The Friends of Technology, upon receipt of the arrival cable, telegraphed the parents and relatives in this country of the Technology men in the unit of their safe arrival on French soil.

The notification of the safe arrival of Technology men abroad is part of the regular program of the Friends of Technology, though this has been the first incidence where opportunity has occurred to perform such an important and necessary service.

What Technology Students Who Are Drafted Should Do

All men who have been drafted and have passed the physical examination and will be ordered for service in December, should at once write to Major Cole, giving him the following information:

Name.

State and district in which passed.

Class at Institute.

What advance work of senior year they have passed off.

What military work they have done.

Present address.

This information should be supplied at once.

Major Cole has never had any idea that it would be possible to secure exemption, but has all along urged the anticipation of as much of the advance work as possible.

The time has now come to see if drafted men can be ordered to report to Technology for training pending the need of the men's services in the field.

What chance there may be for success is problematical. The reasons alleged will be strong, and should be convincing, particularly as we will not put up a general proposition to the War Department, but a perfectly definite one in regard to men we believe are worthy of the privilege. What we will ask for will not be a general exemption rule, applying to all colleges and establishing a precedent, but will be an application for a ruling in regard to individuals who can meet certain conditions. We believe the number will be so limited throughout the country that there should be a fair prospect of success.

This information requested should be supplied at once. Don't fail to send it because you have prevailed on some local board to exempt you on the ground of being a student, as such exemptions would be almost certain not to hold.

NEW YORK CLUB REMITS DUES OF MEN IN SERVICE

Start Honor Roll of All Men in Army and Navy

The New York Technology Club has started an honor roll for men in the service. "Pa" Coburn has been given the task of making a full list of all the club members in the war, giving their name, class, rank and arm of the service. The roll, which will be posted in the clubhouse on Gramercy Park, will also give the latest addresses obtainable of the honor men, both in this country and abroad.

It has been resolved by the New York Technology Club to remit the dues of all members in the service for the duration of the war. A request has been sent to all men in national service by the club asking for the information necessary to keep the honor roll.

WILLIAMS COLLEGE CORPS GOES INTO THE TRENCHES

Two Companies Occupy Fortifications Through Rainy Night

WILLIAMSTOWN, Aug. 15—The Williams reserve officers' training corps, commanded by Capt. Perkins, formerly of the New Jersey national guard, and instructed by Capt. Elliot and Capt. Smith of the Canadian forces, entered its trenches this evening for a period of 24 hours. The Canadian officers, who have returned from Europe after three years on the firing line, are able to give the cadets a fairly realistic idea of what life in the trenches really means.

Companies A and B took the trenches at 8 P. M. in a drizzling rain, which made their training more realistic. At midnight they received tea from the rear line of trenches. Sentinels saw that no man tucked his head above the breastworks for fear of being sniped. Others erected barbed wire entanglements during the night and at daybreak were allowed to sleep until noon, when they will again be given rations. Companies C and D will take the trenches tomorrow evening, relieving the men who have had an experience of the hardships.

The various activities of the camp have been attracting people from all over the surrounding country and the many New York and Boston society folk who are summering in Williamstown have been among the spectators.

After digging trenches modelled after those of the western front, the men have been taught the art of throwing hand grenades by the Canadian officers. The grenades consist of an explosive encased in tin cans which, when thrown, explode with a loud report.

TALKS IN CHICAGO

Professor Pearson Addresses 35 at Engineers' Club.

(Special to The Tech)

CHICAGO, Ill., August 16—The many lines of war time activity in which Technology men of the country are engaged was the theme of an address delivered by Professor Henry G. Pearson, head of the English department at the Institute, before the Chicago branch of the Technology Clubs Associated at their meeting in the Engineers Club last night.

The establishment of the ground schools for military and naval aeronauts and the cadet school for naval reserves established at the Institute and other technical schools throughout the country were touched on by Professor Pearson.

Details of the summer work at the Institute by which it was possible to anticipate work in the Senior year, graduating part or nearly all of the class of 1917 ahead of time, were given.

Professor Pearson is touring the country in behalf of the Institute and after having completed his circuit will have spoken before nearly fifty of the Technology Alumni Associations scattered about the country. Following his address Tuesday evening Professor Pearson left for the Technology Club of Cleveland.

CLEVELAND, Ohio, August 17 (Special)—Professor Pearson, of the Institute, arrived here this morning from Chicago, on his tour to lecture on the Institute's war time activity before the local branches of the Technology Alumni Clubs Associated all over the country.

After his speech tonight he will leave on the next leg of his journey which will take him to Akron.

Professor Pearson's Itinerary.

Aug. 17, Friday—Cleveland, O., Statler.

Aug. 18, Saturday—Akron, O., Portage.

Aug. 20, Monday—Pittsburg, Pa., Wm. Penn.

Aug. 21, Tuesday—Buffalo, N. Y., Statler.

Aug. 23, Thursday—Rochester, N. Y., Seneca.

Aug. 24, Friday—Schenectady, N. Y., Mohawk.

Aug. 27, Monday—Washington, D. C., 908 Union Trust Bldg.

Aug. 28, Tuesday—Philadelphia, Pa., Bellevue Stratford.

Aug. 29, Wednesday—New York, Technology Club.

TECHNOLOGY OPENS UP WITH COLLEGE CENTER IN PARIS

Lansing '98 Has Already Started Club For Institute
Men in Service Abroad—Fitted With
All Comforts of Home

STENOGRAPHERS GET \$70 A MONTH

THE Technology Club of Paris is now a reality. A letter has just been received from Van Rensselaer Lansing '98, telling of his arrival in Paris and of the home started for Technology men in France. Mrs. Cunningham has turned the letter with a few omissions over for publication.

Lansing sailed on the Rochambeau recently to represent the Technology Center in France, a bureau to look after the interests of Technology men in service abroad and to serve as an information source for these men and their families at home. For similar purposes other colleges and universities are sending representatives abroad whose work will eventually be united under the American University Union in France. The Technology Center will be amalgamated with this organization.

Technology Club of Paris,
Paris, France.
July 22, 1917.

My dear Mrs. Cunningham:

Your letter of July 3 has just reached me today, Sunday. I want to tell you that it is welcome for this is lonely work over here. Let me here briefly outline the work so far accomplished. I have been here now a little over two weeks, and while I don't feel as though I had done much, and haven't from an American standpoint, nevertheless, considering that things move more slowly over here, things may be said to have at least started.

In the first place it seemed to me that the necessary thing to do was to DO something, and this viewpoint was strengthened by an interview I had with Mr. Abbott and also with Mr. Barbour.

Not a Club But a Home

An apartment in a good quarter of the city away from the gay life but within easy reach of things seemed desirable, and after a couple of days' hunt I selected the place we now are in, taking it on a month by month lease. We are very near the Arc de Triomphe. The apartment is furnished except for linen, silverware, etc., but I have had to put nearly \$400 into furnishings, all bought, however, with an idea of turning them over to the University Club. My experience with the three men who have already come back from the front, or rather their training camp, has convinced me that the policy of making a real home rather than a club is a good one. I have consequently provided the little comforts and conveniences one has at home, and am prepared to look after men who come back without their luggage, and have bathrobes, bath slippers, pajamas, toothbrushes, nail brushes, etc. With games such as checkers, chess, cards, and with pipes, cigarettes, phonograph, etc., I aim to keep the men at home and not in the streets. The policy is working, too. Publicity work will start this week. I couldn't start before because I didn't have much to talk about.

Three of the boys came back from the front this week and while we weren't very well equipped to take care of them, they each had an individual bed, good meals, good company—for other fellows dropped in—and they were all enthusiastic over the club and appreciative of what has been made possible for them.

Hotel Fare Beats Horse Flesh

After the boys landed here in Paris and before they were sent to training camp—most of them are in the Transport, not the Ambulance Service—they were tented on the grounds of an old place here where I guess things were good but crude. At least their food was, from what they say. So the night before they started for the training camp, I had them all over to the hotel for dinner. One lad wrote from camp as follows: "Will write short note to thank you for the last dinner—it shall live in my mind as a beacon of civilization."

(Continued on Page 3)



VAN R. LANSINGH '98
In Charge of the Technology Club of
Paris

23 AT FT. LEAVENWORTH

Men Have Had no Chance to
Form a Local Technology Club

FORT LEAVENWORTH, Kansas, August 16—There are twenty-three Technology men among the regiment of engineer reserve officers sent here from neighboring forts on June 15 to prepare for officership in the United States Reserve. It was hoped that all the Institute men here could be gathered together for a dinner meeting before the camp closed, but the schedule of work has been so rigorous that time has not been found to arrange for such a gathering.

Capt. Paul Hansen '03 (who was chief engineer of the Illinois State Board of Health) after a short leave of absence to his home in Springfield, Illinois, left for France a few weeks ago. First Lieutenant W. S. Etheridge '12, left the

(Continue on Page 3)

RESERVE OFFICER DEAD

(Special to The Tech)
FORT MUNROE, Va., August 16—Major Henry Souther '87, officers' reserve corps, died here early yesterday following an operation performed at the fort hospital early this week. Major Souther's decease came very suddenly. Before entering the United States service, Souther was vice-president and general manager of the Ferro Machine and Foundry Company, Cleveland, Ohio.

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The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

FRIDAY, AUGUST 17, 1917

A TASK WORTH WHILE

CONGRATULATIONS are due the Technology men who won their commissions at Plattsburg and other training camps.

They have successfully passed through the weeks of hard work required by the Government and have been rewarded by the coveted commissions in the new army.

But, difficult as has been their path up till now, the work which lies before them is no whit less difficult. To whip into shape the vast draft army which will be composed of all grades of intelligence is a task which will try their strength and patience to the utmost. The problem will not be made easier by the number of men who are going unwillingly into service,—socialists, conscientious objectors, and cowards. It is to be expected that these men will make all the trouble in their power. It will be necessary not only to discipline men of this calibre and to subdue them through fear but they must be aroused to at least some slight feeling of patriotism and enthusiasm for the cause in which they are joined. An army without enthusiasm is defeated from the start.

Truly, our new officers will have a job on their hands worthy of men. Technology will be proud of her sons and their service, and joins in wishing them well in their problems of the future.

WALTER S. COWING WILL BE SECRETARY OF BOSTON UNIV.

PHILADELPHIA, Aug. 16—Walter S. Cowing, scout executive of the Philadelphia Boy Scouts of America and widely known as a physical director, has been appointed to and accepted the position of secretary of Boston University.

He has been scout executive here, the highest directing position in the local body, since May 1914. The position was created by the scout executive council, which previously had been the directing power in this city. Mr. Cowing had served as a member of the council, and was chairman of the scout master and financial committees.

For 13 years prior to his appointment as scout executive he served as physical director at the Germantown Friends school. He became interested in the Boy Scout organization at its inception. He is a native of Northampton, Mass., and much of his early work was done in New England. He attended school in Boston and was graduated from Columbia University, New York. He founded Megunticook camp, whose headquarters are in Camden, Me., in 1906.

NEW YORK TECHNOLOGY CLUB ELECTS NEW OFFICERS

Elections of the officers of the Technology Club of New York for the ensuing year were held last week. The following is a list of the appointments:

President, Ira Abbott '81; vice-presidents, Lester D. Gardner '98, Edward M. Hagar '93, Elwood C. Lufkin '85, and Clifton B. Wilder '98; treasurer, Frank C. Schmitz '95; assistant treasurer, William E. Evans '93; secretary, Thomas C. Desmond '99.

PLAN TO OPEN NAVIGATION SCHOOL AT SCITUATE

The United States shipping board recruiting service announces it has been decided to start a government school for navigation at Scituate, to cover the field from Hingham to Plymouth, if sufficient candidates apply for instruction. It was also decided to establish such schools at Portland and Astoria in Oregon, at Seattle, San Diego, San Pedro and San Francisco in California.

COMMUNICATION

To the Editor of The Tech:—

Modern war requires all the energies of the Nation to be concentrated towards the single objective—Victory. All work "useful" to the Government must be speeded up and "useless" work eliminated.

Suppose you are an engineer engaged in work which is "useless" towards winning the war; suppose neither the army nor the navy want you and you can find no employment in "useful" lines. Shall you continue in "useless" work or shall you quit—at the expense of your family and the tax collector?

Many engineers are engaged in work which is "useless" to the army and navy, a good example being the Federal Valuation of Railways. A railroad executive has recently stated that this work was tying up thousands of engineers badly needed in other lines. If it were true that these engineers were badly needed elsewhere for the good of the country, before this time every valuation engineer would have left voluntarily the "useless" valuation work and now be engaged in the needed "useful" work. The truth is, that, aside from the purely military, there is no great demand for engineers and many remain in "useless" work because they are unable to find more "useful."

Those who feel that they are, in their present occupations, "useless" to the country, should change to the "useful" when they find it, and, until then, should "sit tight," for it is better to earn a living at "useless" work than not to earn it at all.

PAUL SCHWARTZ.

Grasshoppers have been picked up in swarms at sea 1200 miles from the nearest land. The African grasshopper has been known to cross the Red and Mediterranean Seas in destructive numbers, and even fly to the Canary Islands. For the most part these grasshoppers are of a migratory species, noted for its great flights. When the grasshopper is tired it rests on the water and is borne along on the waves.

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G. R. Wadleigh, '97	A. H. Clarke, '15
D. Belcher, '98	H. P. Claussen, '16
J. A. Willard, '09	J. R. Hunneman, '16
P. E. Morrill, '14	T. W. Little, '16

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COLLEGE DELAYS OPENING TO AID STATE HARVEST

DURHAM, N H., Aug. 15.—In order to co-operate in the movement for increased food production and conservation, the opening of New Hampshire College has been postponed from Sept. 10. to Oct 3. This will enable students employed on farms to assist in harvesting and will make it possible for the agricultural and home economics faculty to carry on the food conservation work in which they have been engaged during the summer.

TECHNOLOGY OPENS UP WITH COLLEGE CENTER IN PARIS

(Continued from Page 1)

tion to think of while I am breaking my jaw over horse and black bread, for that is what we are getting now." I certainly appreciate your forehand suggestions as regards Christmas things and Kits for the trenches, hospitals, etc. I can't pass on these now, as I haven't any information, but I will let you know as soon as I can.

Prefer "Yankee" Music

There is one thing, however, that you can do. I bought a Pathé phonograph for \$15.00—the price jumped 100 per cent the day I got it, but I climbed in under the wire, all right. American records are nil over here. Can't you collect some old Victor records from your friends, ragtime, songs, any old thing, and send them to me with an attachment to go on the Pathé machine, and also a supply of steel and fibre needles? The boys like the phonograph, but miss the kind of music they are accustomed to.

I would also like to get regularly the Saturday Evening Post, the Literary Digest, the New York Times, Life, Judge and Puck. I can pick up here anything else necessary in that line. I find the boys like the fine illustrated English and French weeklies to which

I have subscribed. Six months' subscriptions are enough to start with.

Flat Top Desks Cheap at \$100

I am trying to be as economical as possible, and of course get bills or vouchers for everything, but prices here in Paris are fierce—excuse the slang, but I could put it much stronger. A plain flat top desk costs from \$100 up, and none to be had at that price. Stenographers \$70 up. Sugar—let me tell you about that. We have sugar cards allowing us to buy 1 1/2 lbs. per person per month. Just about enough for coffee. But here is the rub. That is only for people who live here, and the boys coming back from the front are not included. I have besieged the American Embassy and the Consulate to help me out and I shall solve the problem somehow or other. It takes time, however.

Frederick B. Smith, Jr., '18, was transferred from the Transport to the Y. M. C. A., and is located here in Paris, so I have company. I have arranged for him to go elsewhere as soon as we need the room for the boys coming back from the front, but in the meanwhile it is very nice for me—also for him, he says.

Ambulance Men Driving Trucks

Of the Technology boys that came over on the Rochambeau, all but two went with the Transport Service, driving Pierce-Arrow and White Trucks. They were disappointed as they expected to go into ambulance work. We will not have many of them here for about two months, when they will begin to get their furloughs a few at a time, after which we ought to have a steady stream. In the meantime, I will try to get in touch with other Institute men. Bulletins announcing the Technology Club of Paris will be posted in all the Y. M. C. A. camps and everywhere I can get them. As I know a lot of General Pershing's Staff, I hope to get them widely distributed through the Army.

I am also planning to issue either

weekly or bi-weekly bulletins to all my mailing list. You will be kept in touch with everything.

Servants Cheap But Must Be Fed

By the by, I am charging the boys \$2.00 or ten francs a day. It doesn't go far, but they all say they would rather pay than to accept things otherwise. I have to have two maids and while they are cheap and good, their food bill will be a big item.

I thoroughly believe in the wisdom of the movement and of its complete practicability. I have talked about it with everybody I have met, from Ambassador Sharp down, and they all say the Club is one greatly needed. As soon as Professor Nettleton of Yale arrives, I will start in on the larger idea. So far I haven't presented my letters of introduction, as I preferred to do first and talk afterwards, and I know Paris well enough to carry it out.

Sincerely,

VAN RENNSLAER LANSINGH.

P. S. All the chocolate you can send through the Clearing House I can use. The boys are crazy for it. I have already sent several pounds to them.

23 AT FORT LEAVENWORTH

(Continue from Page 1)

7th Co. about three weeks ago to join an engineer regiment at St. Louis and a telegram received from him after he left stated that he was married in the morning and was sailing at noon.

Capt. H. E. Babbitt '11 has qualified as an expert rifleman and had the highest score of any in his company. First Lieutenants R. Salisbury '14 and A. B. Reeve '16 also made good scores and qualified as sharpshooters. First Lieutenant A. B. Reeve '16 holds the high score with the pistol, for his company.

First Lieutenant R. H. Allen '09 was the highest individual point winner at an inter-company athletic contest the Fourth of July. First Lieutenant A. B. Reeve '16 and Second Lieutenant E. E. Polley '15 were members of their company's wall scaling team which won second place. Capt. H. E. Babbitt '11 and First Lieutenant H. F. Ferguson '12 made use of their experience on their close tug-o'-war teams with their company's tug-o'-war team.

A list of Institute men at the Fort Leavenworth Camp follows:

Company 1

1st Lieut. E. Porter Alexander '14.

Captain B. R. Honeyman '06.

Company 2

2d Lieut. Geo. D. Camp '16.

1st Lieut. J. A. Given '10.

1st Lieut. Arthur E. Hartwell '09.

Company 3

E. M. Graham '05.

H. R. Gabriel '05.

Capt. Paul Hansen '03.

1st Lieut. R. H. Allen '09.

R. C. Wiseman '14.

L. T. Patten '15.

J. F. C. Hyde '16.

Company 4

J. E. Johnson '07.

Capt. C. H. Quinlan '08.

F. H. Boynton '15.

Company 5

1st Lieut. H. M. Muttersbaugh '13.

Company 7

Capt. H. E. Babbitt '11.

1st Lieut. W. S. Etheridge '12.

1st Lieut. H. F. Ferguson '12.

1st Lieut. Ralph Salisbury '14.

2nd Lieut. L. L. Travis '15.

2nd Lieut. E. E. Polley '15.

1st Lieut. A. B. Reeve '16.

COARDS TO BE WEDED OUT OF U. S. ARMY BY SPECIALISTS

Psychologists Will Keep Close Watch When "Going Over Top"

Some of America's foremost specialists are to apply the most modern methods of science to the new United States Army in an effort to make it the most level-headed, nerveless outfit that ever "went over the top" or stood fast under fire. A single panicky rookie is recognized as a grave danger to a company, and science believes it can forestall that individual panic about six times out of seven.

It is generally recognized that no man remains normal when under fire for the first time, few the second time and many for the third and fourth. The man whose reactions to abnormal conditions completely overcome his will power used to be called a coward. If his reactions continued to evade or overcome his mental strength he was drummed out of camp or met a more violent fate.

Mental hygienists and nerve specialists have differentiated types of "cowards" and turned the well worn story of the craven who became a hero wrong side out to see the wheels go 'round. The result is that despite the earnest testimony of ancient top sergeants the coward, in scientific phraseology, is virtually extinct.

There are, indeed, defectives of various kinds and grades, but the majority of them can now be classified and neatly labelled, and many of them respond to treatment.

The task of the doctors who are to see to it that the new army is sound in nerves as well as in wind and limb is to sort out and classify these "defectives." As there are only fifty of the specialists and the first draft of the new army will fill sixteen training camps with some 40,000 men apiece the job looks hopeless on the face of it.

The characteristics of the men who need examination, however, betray them. For the most part they are types which will get into trouble in one way or another under the strict discipline of a military cantonment. The three specialists in each camp will centralize their attentions on occupants of the guardhouse and men habitually assigned to extra fatigue.

These will be subjected to Binet-Simon tests, to Mealey tests, association tests and methods of psycho-analysis which have been developed in European hospitals since the outbreak of the war. As soon as a man is stamped as an incurable "coward" or one whose cure is doubtful or requiring long treatment, out he will go, not to the "Rogues' March," as in the old days, but with a bit of sound medical advice in his ear.

"It may not be possible," Dr. Franklin B. Williams, associate medical director of the National Committee for Mental Hygiene, said yesterday, "to examine all the men individually. Men will be examined under group systems; officers will send suspected cases to the doctors; men will be assigned to see the specialists and men involved in infractions of discipline will be examined."

The French army probably contains the oldest soldier in the world in the person of one Montsarrat, who is 81 years old. He was for more than two years in captivity, having been taken at Lille by the Germans, who decided that he was harmless, and liberated him. As soon as he arrived in Paris, however, he enlisted, and is anxious to seek vengeance.

A Dollar and a Half will bring The Tech for six months.

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AN APPEAL FROM THE FRIENDS OF TECHNOLOGY

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THE UNDERGRADUATES are efficiently fitting themselves for similar patriotic duty.

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The thousands of Technology men and the hundreds of thousands interested in the Institute should have news of all this and should have it promptly.

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NEWS of the varied activities of the Institute itself and of its teaching staff.

U. S. NEEDS TECHNICAL MEN FOR SERVICE DURING WAR

For further information concerning these positions, communicate with the nearest Secretary of the Civil Service Commission or the M. I. T. Committee for National Service, 908 Union Trust Bldg., Washington, D. C.

WASHINGTON

Position	Service	Salary	Date of Exam	Cir. No.
Laboratory Aid, Motion Picture Lab.	Dept. Agriculture	\$720	August 8	1598
Tent Inspector	Quartermaster	\$1,200	—	1599
Ordnance Foreman	Puget Sound Navy Yard	\$5.52 per day	—	1600
Shop Apprentice	Dept. Commerce	\$540	August 22	1597
Asst. Insp. Cloth Equipment	Ordnance	\$960-\$1,500	—	1370
Asst. Insp. Leather	Ordnance	\$1,200-\$1,500	—	1370
Asst. Insp. Small Hardware	Ordnance	\$960-\$1,500	—	1370
Asst. Insp. Textiles	Ordnance	\$960-\$1,500	—	1370
Asst. Insp. Leather Equipment	Ordnance	\$1,200-\$1,500	—	1617
Asst. Metallurgical Chemist	Ordnance	\$1,000-\$1,500	August 21	1682
Production Expert	Signal	\$1,500	—	—
Scientific Asst. Drug-Plant Inves.	Dept. Agriculture	\$1,200	August 22	1621
Entomological Insp.	Dept. Agriculture	\$1,400-\$1,740	August 22	1620
Finger Print Classifier	War Dept.	\$1,000	—	1683
Radio Engineer	Signal Ser.	\$1,800	Sept. 4	1797
Heating and Vent. Engineer and Draftsman	Treas. Dept.	\$1,500	Sept. 4	1766
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Mechanical Eng.	Treas. Dept.	\$1,600-\$1,800	Sept. 4	1766
Investigator in Marketing	Dept. Agriculture	\$2,400-\$3,000	Sept. 4	1765
Junior Civil Engineer	Interstate Commerce Commission	\$1,200-\$1,680	Sept. 5	1764
Junior Architect	Interstate Commerce Commission	\$1,200-\$1,680	Sept. 5	1763
Asst. El. Eng. Qualified in Municipal Research	Dept. Commerce	\$1,400-\$1,800	Sept. 5	1707
Laboratory Helper	Bureau of Mines	\$1,080	Sept. 5	1705
Asst. Microscopist	Dept. Agriculture	\$1,800-\$2,000	August 28	1704
Chief Draftsman	Ordnance	\$2,500	Sept. 4	1767
Pressman on Offset Presses	Engraving and Printing	\$1,200-\$1,400	August 28	1741
Qualified Chauffeur	Post Office	\$792-\$1,000	August 28	1703
Aid	Various	\$1,200	August 22	1670
Investigator Accounting, office management	Bureau of Efficiency	\$2,000-\$3,000	August 21	1669
Inspector Field Artillery	Various	\$1,500-\$1,800	—	1601
Ammunition Steel	Various	\$3.50-\$5.00 p. d.	—	1601
Asst. Insp. Field Ammunition Steel	Bureau Mines	\$960-\$1,080	August 22	1668
Mechanical Lab. Asst.	Bureau Standards	\$600-\$720	August 22	1665
Aid	Bureau Standards	\$1,200-\$1,500	August 22	1666
Jr Gas Chemist	Printing Office	\$4.00 per day	August 22	1667

OFFICIAL FROM THE
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National Service
JAMES P. MUNROE, Chairman

WASHINGTON BUREAU
908 Union Trust Building
JOHN M. DeBELL '17 in Charge

A direct means of communication between the Technology and the National Government. If there is anything you wish to know in Washington, write to the Technology Bureau.

Personal

Among the callers at the Washington office during the past few days have been: F. P. Gulliver '87, G. S. Watson '11, L. D. Chapman '09, who is applying for commission in the O. O. R. C.; C. H. Wilkins '15, Richard Morey '95, P. A. Coburn '87, H. N. Calver '14, who is taking examinations for the Sanitary Corps of the Army; H. Mendelsohn '16, E. G. Senter, Jr., '17.

Composition of the Draft Army

The Chief Clerk of the Adjutant General's Office states that all regular army branches of service will be included in the new national army. There is also little doubt that men who are drafted will have ample opportunity to win commissions.

The logical course, therefore, to be followed by men who have been drafted is:

(1) Perfect themselves in infantry drill, the basis of training of practically all branches.

(2) Prepare to qualify in that particular branch of service, as, for example, engineers, hospital corps, signal corps, heavy artillery, etc., in which they desire to be placed.

Officer's Reserve Corps

The following is a partial list of the commissions granted in the Reserve Corps to men in the first training camp. A complete list will be issued as soon as available.

E. O. R. C.

Captains

L. P. Wood '01
T. H. Wiggin '95
W. B. Claffin '95
Alexander W. Macomber '07
L. E. Moore '02
M. H. Pease '07
A. L. Shaw '09
P. E. Hinckley '05
First Lieutenants
Ralph L. Thomas '13
Frank L. Ahern '14
T. W. Bailey '96
W. A. Clark '05

Samson K. Cohen '10

J. J. Devlin '11
H. W. French '08
D. W. Gibbs '10
E. F. Kelly '07
F. H. Kingsbury '12
H. S. Lord '11
S. W. Merrill '14
W. S. Rhodes '95
E. G. Senter, Jr., '17
C. H. Sutherland '11
E. A. Ware '09
E. I. Weaver '15
L. F. Wyman '17
W. Y. Stamper '05
E. L. Homan '12
M. V. Moore '14
B. H. Woodruff '16

Second Lieutenants

L. D. Walters '13
H. L. King '15
E. W. Bowler '14
E. P. Brooks '17
H. W. Brown '15
E. F. Deacon '19
Thorn Dickinson '14
John F. Foley '13
E. H. Gage '13
G. E. Gay, Spec.
R. E. Heffler '15
G. M. Keith '12
John A. Root '14
T. W. Ryan '17
M. J. Smith '14
J. F. Wood '14
A. S. Millikin '14

Infantry Section O. R. C.

First Lieutenant

J. T. Leonard '18

Second Lieutenants

H. C. Williamson '17
H. E. Lobdell '17
H. C. Wasgett '19
D. B. Baker '15

D. E. Bell '17

E. A. Mead '18

Artillery Section O. R. C.

Second Lieutenants

J. W. Doon '17

R. H. Ranger '13

Washington Callers

For the benefit of men coming to Washington, a file of Technology Alumni in and about the District is being maintained at the Washington office. Notice of any changes of Washington address will be greatly appreciated.

E. W. Bowler '14, Lieut. E. O. R. C., has been ordered to Canal Zone.

FOLWELL ONLY PENN COACH

PHILADELPHIA, Aug. 11.—Bob Folwell will be the only paid football coach at Franklin Field this Fall. This was decided today at a meeting of the University of Pennsylvania Athletic Council as a wartime measure to cut down expenses.

By Dickson and Dr. Charles M. Whar-

ton, who assisted Folwell last year, will be absent, Dickson having gone to coach the Scott High School at Toledo, Ohio, and Dr. Wharton expects to be too busy to return. No new men will be named in their places. The plan also includes the dropping of Lon Jourdet, the freshman coach. If Jourdet does any coaching it will be without pay.

This means that Folwell will be supreme at Franklin Field. He will have full charge of the coaching and training of the eleven and the freshman squad as well. Any suggestions from former players will be welcomed by Folwell, and it is believed that he will have the aid of many former Penn stars in developing his team.

TECH SPORTS

The proposal to abrogate the freshman rule this fall and thus permit first year men to become candidates for varsity teams, which has been advocated by numerous coaches, has brought forth a sharp protest from Fred Murphy, former Yale captain and now coach at Northwestern University.

The strongest argument Mr. Murphy uses against letting down the bars in favor of freshman athletes is that if it becomes general the very first act on the part of most coaches will be to go out on a scouting trip, scour the country for likely athletes and bring them back to college in bunches. He also adds significantly that the coach who refuses to adopt such a policy, or the college which positively refuses to allow its coach so to do, will make a pitiable showing in all branches of athletics in competition with those who are not so discriminating in their ideas and policies of college ethics.

With the full assurance that football will be played and efforts made to conduct the sport on as broad a plane as possible, Coach Yost of Michigan has already begun to take stock of his prospects for next fall. Only two or three members of last year's team will return, but there is still a possibility that freshmen may be allowed to play.

Incidentally the schedule for the team has been completed. Most of the opponents will be what are usually considered snaps, but conditions are likely to make competition highly interesting. Especially is this expected to prove the case with the University of Detroit, which will be handled by Gilmour Robbie of Washington fame. The schedule is as follows:

University of Detroit, Oct. 3; Case, Oct. 6; Western State Normal at Kalamazoo, Oct. 10; Mount Union, Oct. 17; Michigan Agricultural, Oct. 20; University of Nebraska, Oct. 27; Kalamazoo, Nov. 3; Cornell, Nov. 10; Pennsylvania, Nov. 17.

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All but the Pennsy game will be played at Ann Arbor, November 24. It has been suggested for a Northwestern Dartmouth game.

Though the Captain of the varsity eleven is preparing to sail for France with a base hospital unit, Columbia University will play football this fall and will put teams in the field in all other branches of sport. This announcement was made yesterday, and although official action has yet to be taken by the University Committee on Athletics, it is said preparations will be begun immediately for the 1917 football season.

George G. (Dal) Cochran, captain of the football team, unable to obtain an appointment to a reserve officers' training camp because of a stiff ankle, expects to leave for France within the next week or two. He has one more year of his college course to finish, but with every man of the 1916 squad which elected him captain of this year's team engaged in military work of one kind or another, Cochran determined not to return to Columbia until peace is declared.

The stand that the University of Pennsylvania will take in athletics during the war is clearly set forth in the following resolution, which was passed at a recent meeting of the board of directors of the athletic association:

Whereas, Dr. Edgar F. Smith, provost of the University of Pennsylvania, has stated in the public prints and apparently authentic statements have appeared in the daily papers in reference to other universities that it is the expectation that the colleges will open in regular session in the fall of 1917; and

Whereas, This association believes

that as long as there are students in attendance at college, athletics must be a very important factor in student life, and therefore should be continued, but that athletic competition should not be undertaken at the sacrifice of military training; therefore be it

Resolved, That if competition in any class of sports is arranged for the college year of 1917-18, the present policy be continued, which is that no student shall be allowed to represent this association in any contest unless he has taken part in such military training as may be prescribed by the United States army officer assigned to the University of Pennsylvania.

WORTH OF A COLLEGE EDUCATION